

MATERIAL SAFETY DATA SHEET

Section I:

Manufactures Name: Walling Chemical Company

Address: 2008 Westport Ave., Box 408, Sioux Falls, SD 57117-0408

Phone #: 605-336-6710

Date Prepared: December 27, 1985

Product Identity: Code #24

Synonyms: Hardness Reagent

Section II: Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH-TLV	Flammability	LEL	UEL
Tetrasodium (EDTA)	Not Listed	Not Listed	NA (0)	NA	NA

Other Cited Data: None

Comments: —

Section III: Physical/Chemical Characteristics

Boiling Point 100°C Specific Gravity (H₂O = 1) 1.0
Vapor Pressure (Water) Melting Point 30°F
pH 10-11 Evaporation Rate (Butyl acetate = 1) <1
Appearance and odor: Clear Odorless Liquid

Section IV: Fire and Explosion Data

Flash Point: None
Extinguishing Media: Water, CO₂, Foam, Dry Chemical
Special Fire Fighting Procedures: NA
Unusual Fire and Explosion Hazards: NA

Section V: Reactivity Data

Stability: Stable Yes Unstable No
Conditions to avoid: Metals
Incombatability: Metals

Hazardous Decomposition or By Products None

Hazardous Polymerization: Will Occur - , Will Not Occur +

Section VI: Health Hazard Data

Routes of Entry: Inhalation No Skin Yes Ingestion Yes

Health Hazards (Acute and Chronic) Skin & Eyes: Slightly alkaline, May cause burns or irritation. Ingestion: Low toxicity.

Carcinogenicity: NTP No IARC No

OSHA Regulated No Other No

Signs and Symptoms of Exposure: Eyes: Irritation Skin: Irritation possible, Ingestion: Nausea

Medical Conditions Aggravated by Exposure: None Known

Emergency and First Aid Procedures: Eyes: Flush immediately with flowing water, Skin: Wash well with soap and water, Ingestion: Give water, Call a physician.

Section VII: Precautions for Safe Handling and Use.

Steps to be taken in case material is released or spilled: Flush to sewer or absorb on inert material and transfer to a suitable container for disposal,

Waste Disposal Method Follow federal, state and local regulations.

Precautions to be taken in handling and storing: Avoid product contamination.

Other precautions: Avoid Contact

Section VIII: Control Measures

Respiratory Protection: NA

Ventilation: Local Exhaust NA Special NA
Mechanical (Type) NA Other NA

Protective Gloves Latex Eye Protection Goggles
Other Eye Wash

Comments: Follow safe practices when using this and other chemical reagents.

References Used:

Third Annual Report on Carcinogens
NTIS
Research Triangle Park, NC

Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids (1984)
NFPA
Batterymarch Park, Quincy, MA 02269

OSHA Safety and Health Standards
(29 CFR 1910) OSHA 2206...
U.S. Dept. of Labor
Washington, D.C. 20402

Threshold Limit Values and Biological Exposure Indices For 1985-86
ACGIH, Cincinnati, OH 45211